

Applicant: Waite, et al.

Serial No.: 09/966,146

Att'y Docket No.: 15455.1

Filing Date: September 27, 2001

For: SYSTEM AND METHOD FOR IDENTIFICATION OF TRAFFIC LANE POSITIONS

INFORMATION DISCLOSURE CITATIONS MADE BY APPLICANTU.S. Patent Documents

Examiner Initial*	Patent Number	Issue Date	Name	Class	Sub Class	Filing Date
<u>J</u> A1	6,204,778	03/20/01	Bergan et al.	340	936	07/28/98
<u>J</u> A2	6,198,437	03/06/01	Watson et al.	343	700	07/08/99
<u>J</u> A3	6,177,885	01/23/01	Weil et al.	340	933	11/03/98
<u>J</u> A4	6,081,226	06/27/00	Caldwell et al.	342	200	07/10/98
<u>J</u> A5	5,949,383	09/07/99	Hayes et al.	343	795	10/20/97
<u>J</u> A6	5,798,983	08/25/98	Kuhn et al.	367	135	05/22/97
<u>J</u> A7	5,793,491	08/11/98	Wangler et al.	356	376	10/11/96
<u>J</u> A8	5,748,153	05/05/98	McKinzie III et al.	343	767	06/26/96
<u>J</u> A9	5,714,965	02/03/98	Taguchi	343	866	09/21/95
<u>J</u> A10	5,694,134	12/02/97	Barnes	343	700	01/14/94
<u>J</u> A11	5,448,484	09/05/95	Bullock et al.	364	436	11/03/92

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Examiner: J. P. [Signature]Date Considered: 9/6/02

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Foreign Patent Documents

Examiner Initial*	Document Number	Publ. Date	Country or Patent Office	Sub Class	Trans- lation
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Other Documents

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(including author (if listed), title, relevant pages, date of publication including at least month and year).

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- C1 Vehicle Detector Workshop, TexITE, June 2000, pp. 5-39.
- C2 R.L. Smith et al. "Development of a Low Cost, FM/CW Transmitter for Remote Sensing," IGARSS 2000 (Hawaii)
- C3 J.C. Beard et al. "6GHz Range Finder Using Pulse Compression," IGARSS 2000 (Hawaii)
- C4 J.L. Waite et al. "Interferometric Radar Principles in Track Hazard Detection to Improve Safety," IGARSS 2000 (Hawaii)
- C5 D.A. Zaugg et al. "Ocean Surface and Landslide Probing with a Scanning Radar Altimeter," IGARSS 2000 (Hawaii)
- C6 B.T. Walkenhorst et al. "A Low cost, Radio Controlled Blimp as a Platform for Remote Sensing," IGARSS 2000 (Hawaii)
- C7 Liu et al. "Radiation of Printed Antennas with a Coplanar Waveguide Feed," IEEE Transactions on Antennas and Propagation, Vol. 43, No. 10, October 1995, pp. 1143-1148

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- C8 T. Metzler, "Microstrip Series Arrays," IEEE Transactions on Antennas and Propagation, Vol. AP-29, No. 1, January 1981, pp. 174-178
- C9 A.G. Demeryd, "Linearly Polarized Microstrip Antennas," IEEE Transactions of Antennas and Propagation, November 1976, pp. 846-851.
- C10 J.D. Frederick et al. "A Novel Single Card FMCW Radar Transceiver With On Board Monopulse Processing, no date.
- C11 Electronique Controle Mesure, LOREN Multi-Lane Microwave Detector, no date
- C12 MS Sedco, Motion Sensors, TC26-B Microprocessor-Controlled Vehicle Detector, www.microwavesensors.com/motionsensors. no date.
- C13 Accuwave LX-150 Microwave Detector, no date.
www.naztec.com/products/accuwave.htm
- C14 SmarTek Systems, The SAS-1 Passive Acoustic Vehicle Detector, MAR 07 2002
www.smarteksys.com/sas-1-flyer.htm no date,
- C15 Task Force L Final Report, Executive Summary, pp. 1-40,
www.tfhrcc.gov/advanc/ivhs/chapter2.htm. no date.
- C16 On Bench Photographs of Detectors, pp. 1-9, no date
http://ntl.bts.gov/DOCS/96100/ch04/body_ch04.html
- C17 Transportation Operations Group - Sensors, pp. 1-13, no date.
http://transops.tamu.edu/content/sensors.cfm
- C18 RTMS General Information, pp. 1-6, www.rtms-by-eis.com/general.html. no date,
- C19 RTMS Traffic Detector Primer, pp. 1-4, www.rtms-by-eis.com/detprime.html, no date.
- C20 Automatic Lane Detection, no date.

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References Cited by Applicants

While the filing of Information Disclosure Statements is voluntary, the procedure is governed by the guidelines of Section 609 of the Manual of Patent Examining Procedure and 37 C.F.R. §§ 1.97 and 1.98. To be considered a proper Information Disclosure Statement, Form PTO-1449 shall be accompanied by a copy of each listed patent or publication or other item of information and a translation of the pertinent portions of foreign documents (if an existing translation is readily available to the applicant), an explanation of relevance of each reference not in the English language, and should be submitted in a timely manner as set out in MPEP Sec. 609.

Examiners will consider all citations submitted in conformance with 37 C.F.R. § 1.98 and MPEP Sec. 609 and place their initials adjacent the citations in the spaces provided on this form. Examiners will also initial citations not in conformance with the guidelines which may have been considered. A reference may be considered by the Examiner for any reason whether or not the citation is in full conformance with the guidelines. A line will be drawn through a citation if it is not in conformance with the guidelines AND has not been considered. A copy of the submitted form, as reviewed by the Examiner, will be returned to the applicant with the next communication. The original of the form will be entered into the application file.

Each citation initialed by the Examiner will be printed on the issued patent in the same manner as references cited by the Examiner on Form PTO-892.


The reference designations "A1," "A2," etc. (referring to Applicant's reference 1, Applicant's reference 2, etc.) will be used by the Examiner in the same manner as Examiner's reference designations "A," "B," "C," etc. on Office Action Form PTO-1142.

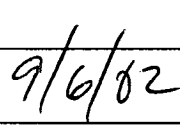
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